

Title (en)

METHODS AND SYSTEMS FOR INSTRUMENT VALIDATION

Title (de)

VERFAHREN UND SYSTEME ZUR VALIDIERUNG VON MESSGERÄTEN

Title (fr)

PROCÉDÉS ET SYSTÈMES POUR LA VALIDATION DES INSTRUMENTS

Publication

EP 3254080 B1 20231004 (EN)

Application

EP 16706289 A 20160205

Priority

- US 201562113077 P 20150206
- US 2016016730 W 20160205

Abstract (en)

[origin: WO2016127032A1] A method for validating an instrument is provided. The method includes receiving amplification data from a validation plate to generate a plurality of amplification curves (102, 202). The validation plate includes a sample of a first quantity and a second quantity, and each amplification curve includes an exponential region. The method further includes determining a set of fluorescence thresholds based on the exponential regions of the plurality of amplification curves (104, 204) and determining, for each fluorescence threshold of the set, a first set of cycle threshold (Ct) values of amplification curves generated from the samples of the first quantity and a second set of Ct values of amplification curves generated from the samples of the second quantity (106, 206). The method includes calculating if the first and second quantities are sufficiently distinguishable based on Ct values at each of the plurality of fluorescence thresholds (108, 208-218).

IPC 8 full level

G01N 21/27 (2006.01); **G01N 21/64** (2006.01); **G16B 45/00** (2019.01); **G16B 40/00** (2019.01); **G16B 40/10** (2019.01)

CPC (source: CN EP KR US)

G01N 21/274 (2013.01 - CN EP KR US); **G01N 21/6428** (2013.01 - CN EP KR US); **G01N 21/6452** (2013.01 - CN EP KR US); **G01N 21/6456** (2013.01 - KR); **G16B 40/00** (2019.02 - KR); **G16B 40/10** (2019.02 - CN EP KR US); **G01N 21/6456** (2013.01 - CN EP US); **G01N 2021/6439** (2013.01 - CN EP KR US); **G16B 40/00** (2019.02 - EP US)

Citation (examination)

UNKNOWN: "TaqMan RNase P 96-Well Instrument Verification Plate", 24 January 2005 (2005-01-24), XP055557460, Retrieved from the Internet <URL:https://web.archive.org/web/20050124043426if_/http://docs.appliedbiosystems.com:80/pebi docs/04314333.pdf> [retrieved on 20190215]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2016127032 A1 20160811; BR 112017016791 A2 20180417; BR 112017016791 B1 20230214; CN 107430066 A 20171201; CN 107430066 B 20210713; EP 3254080 A1 20171213; EP 3254080 B1 20231004; JP 2018510619 A 20180419; JP 6782244 B2 20201111; KR 102434235 B1 20220822; KR 20170134361 A 20171206; RU 2017131048 A 20190306; SG 11201706250V A 20170830; US 10648912 B2 20200512; US 2016231245 A1 20160811

DOCDB simple family (application)

US 2016016730 W 20160205; BR 112017016791 A 20160205; CN 201680009016 A 20160205; EP 16706289 A 20160205; JP 2017541268 A 20160205; KR 20177025093 A 20160205; RU 2017131048 A 20160205; SG 11201706250V A 20160205; US 201615016485 A 20160205